Figure 1: **Association [3H]-4MG**

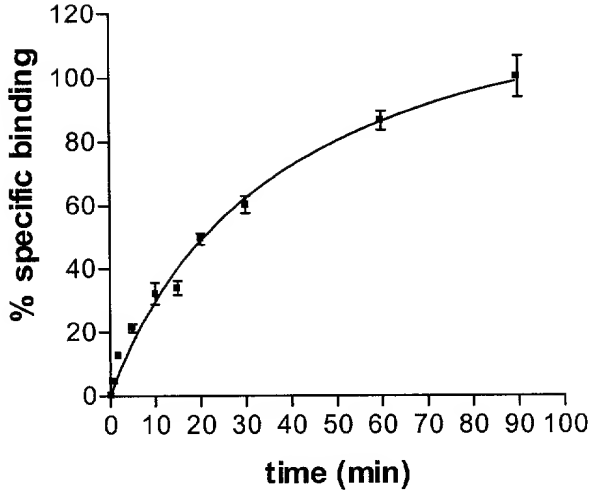


Figure 2: **Dissociation of [3H]-4MG binding**

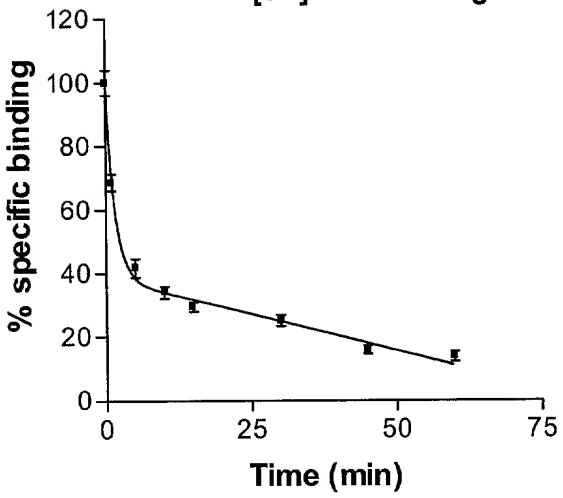


Figure 3: **DRUG INHIBITION OF [3H]-4MG BINDING**

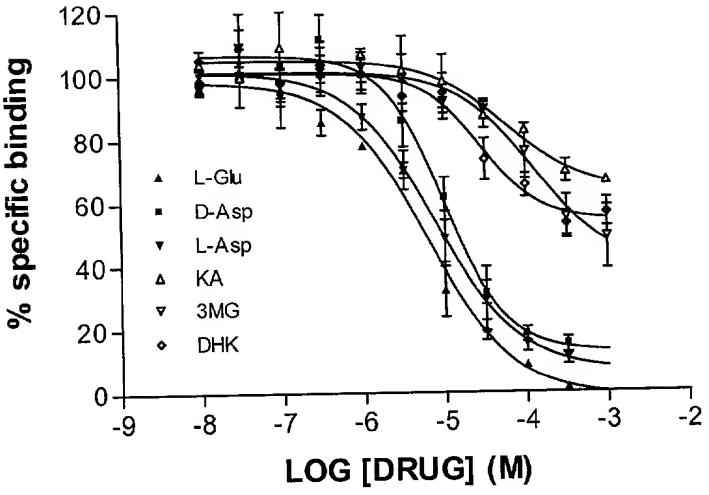


Figure 4: **DRUG INHIBITION of [3H]-4MG BINDING**

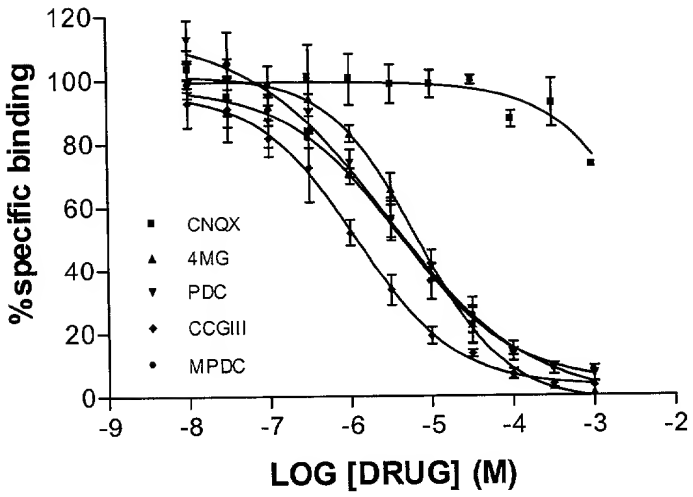
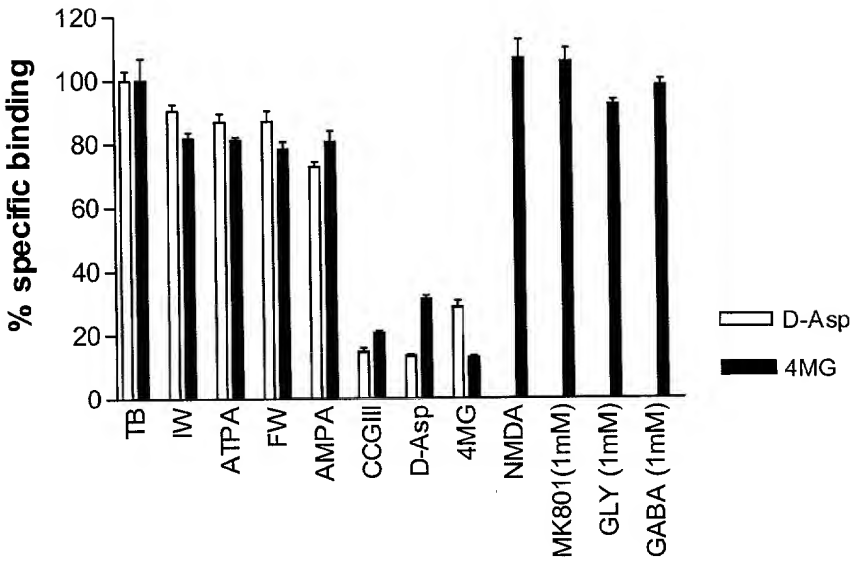


Figure 5 : **COMPARISON of MISCELLANEOUS DRUG INHIBITION of [3H]-D-ASPARTATE and [3H]-4MG**



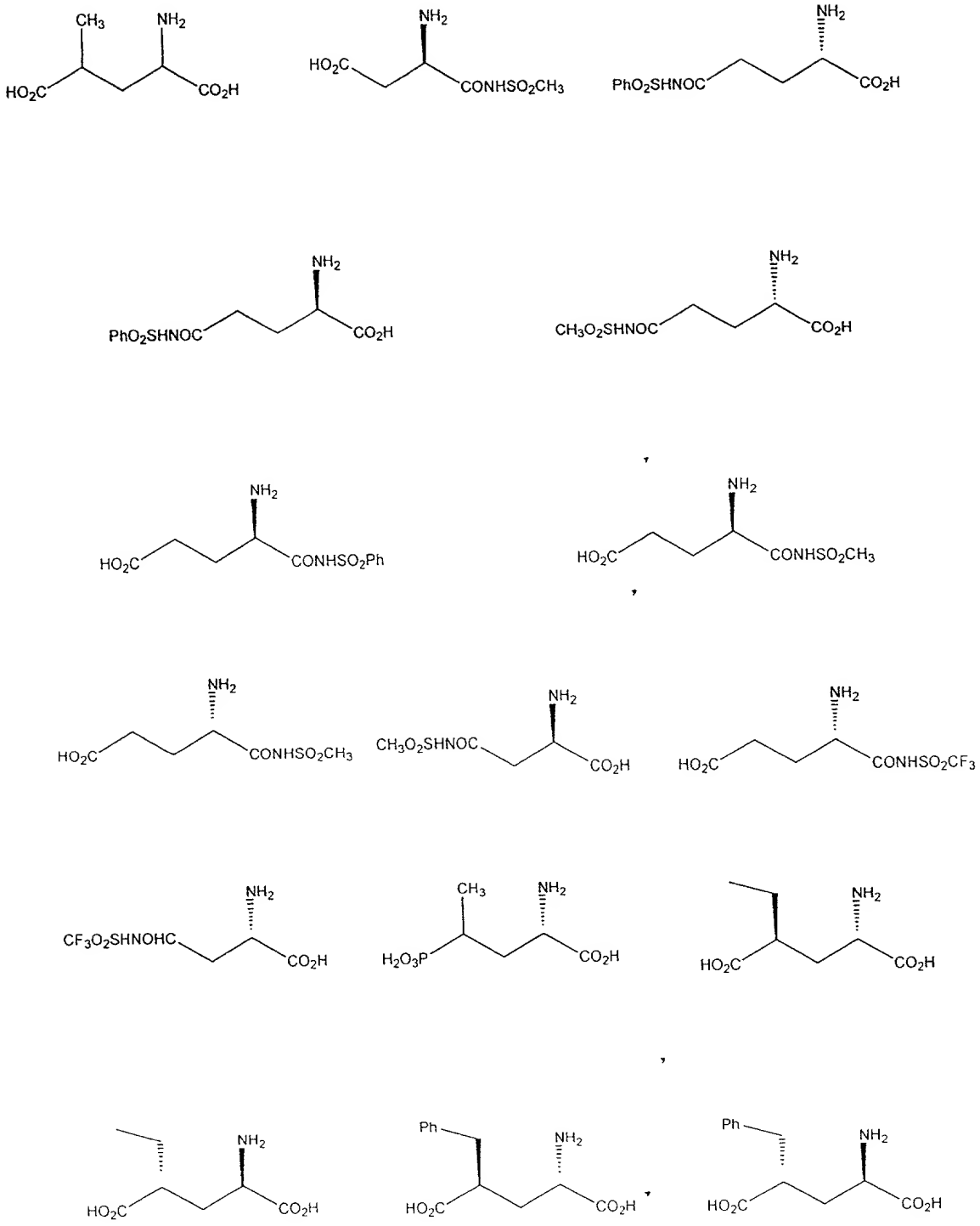

CH3
NH2
HO2C
CO2H
NH2
HO2C
CONHSO2CH3
NH2
PhO2SHNOC
CO2H
NH2
PhO2SHNOC
CO2H
NH2
CH3O2SHNOC
CO2H
NH2
HO2C
CONHSO2Ph
NH2
HO2C
CONHSO2CH3
NH2
HO2C
CONHSO2CH3
NH2
CH3O2SHNOC
CO2H
NH2
HO2C
CONHSO2CF3
NH2
CF3O2SHNOHC
CO2H
CH3
NH2
H2O3P
CO2H
NH2
HO2C
CO2H
NH2
HO2C
CO2H
Ph
NH2
HO2C
CO2H
Ph
NH2
HO2C
CO2H

Figure 6A

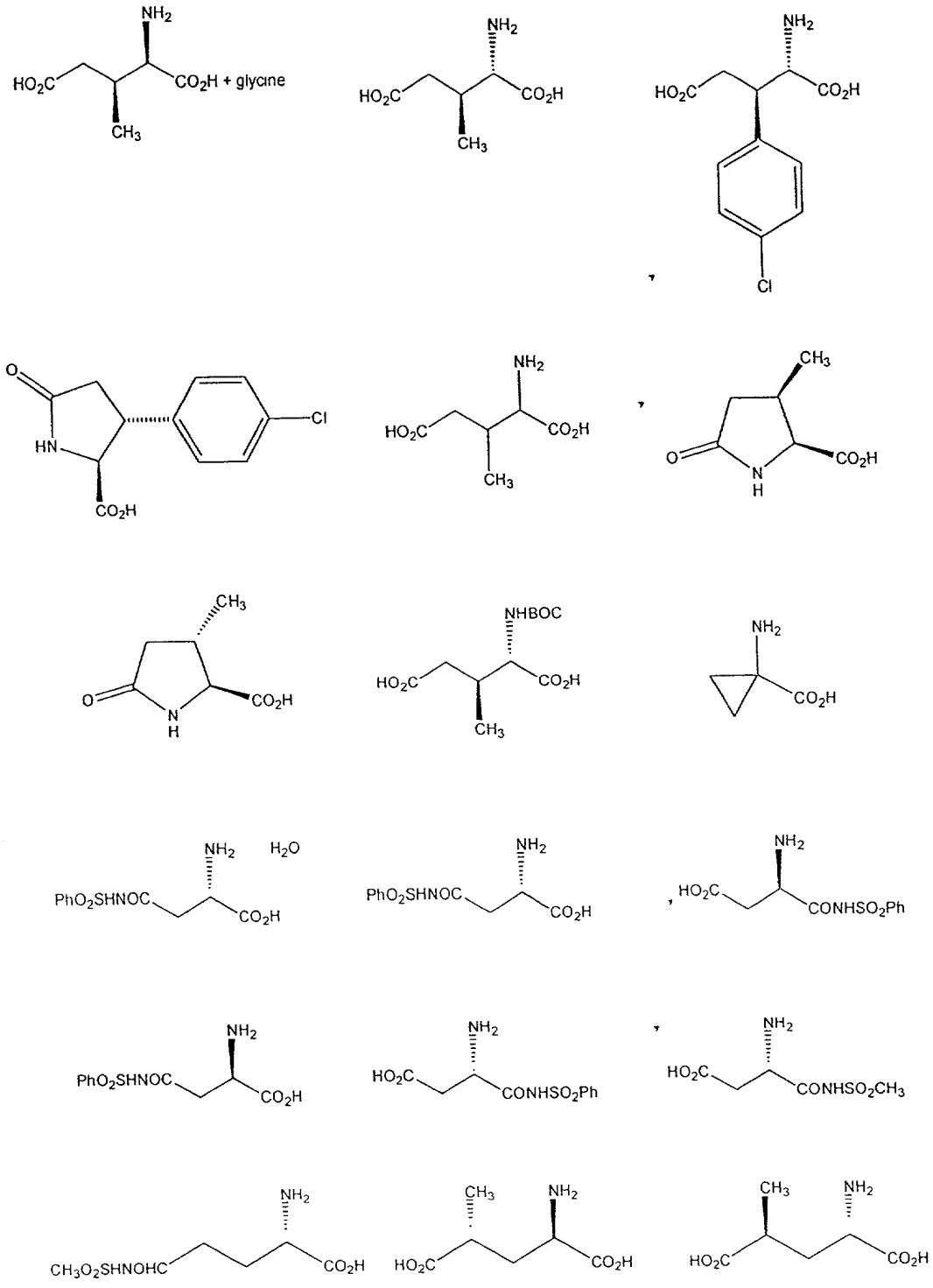

NH2
HO2C
CO2H + glycine
CH3
CO2H
Cl
HN
O
N
H
PhO2SHNOC
H2O
CONHSO2Ph
CONHSO2CH3
NHBOC
CH3O2SHNOHC

Figure 6B

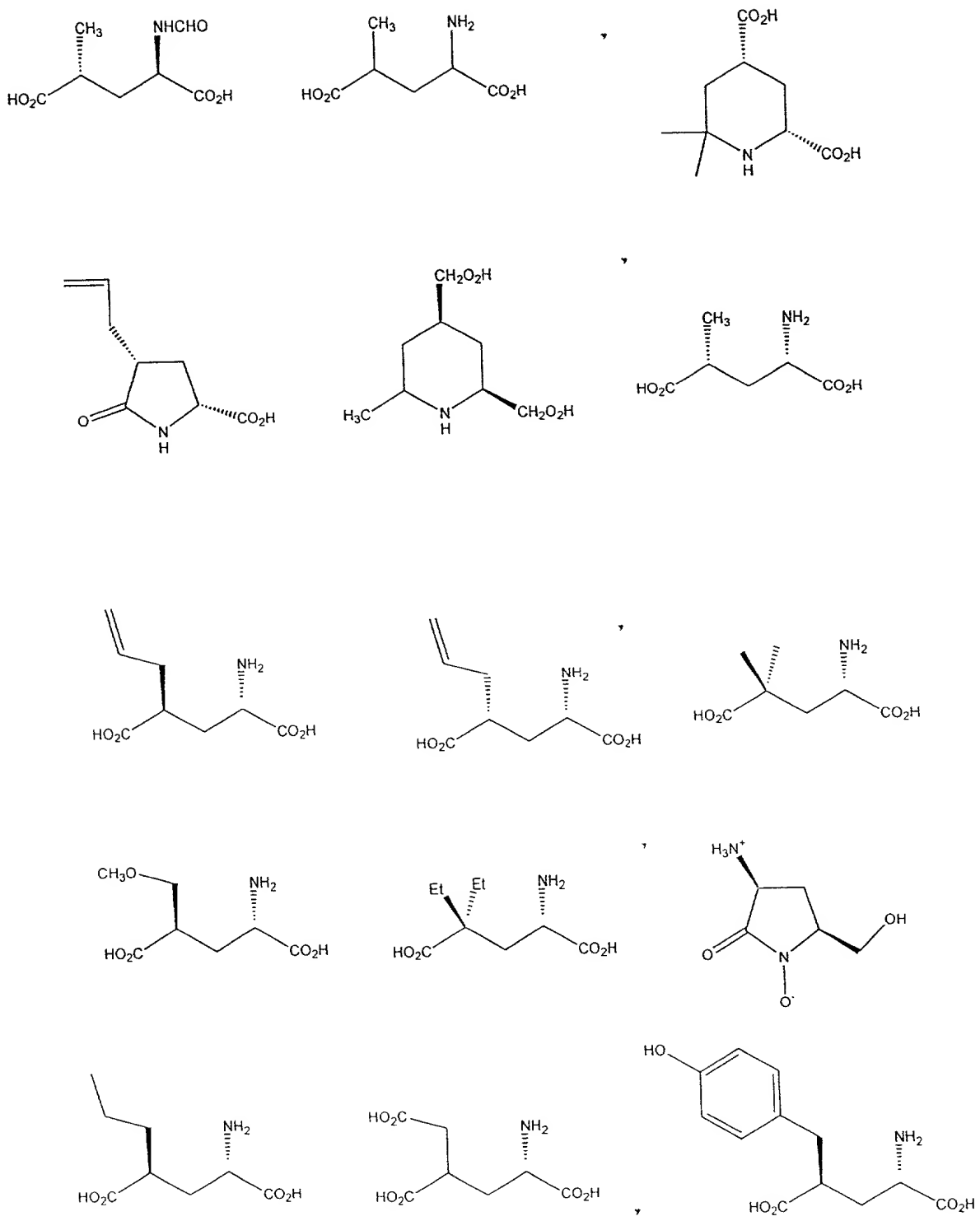


Figure 6C

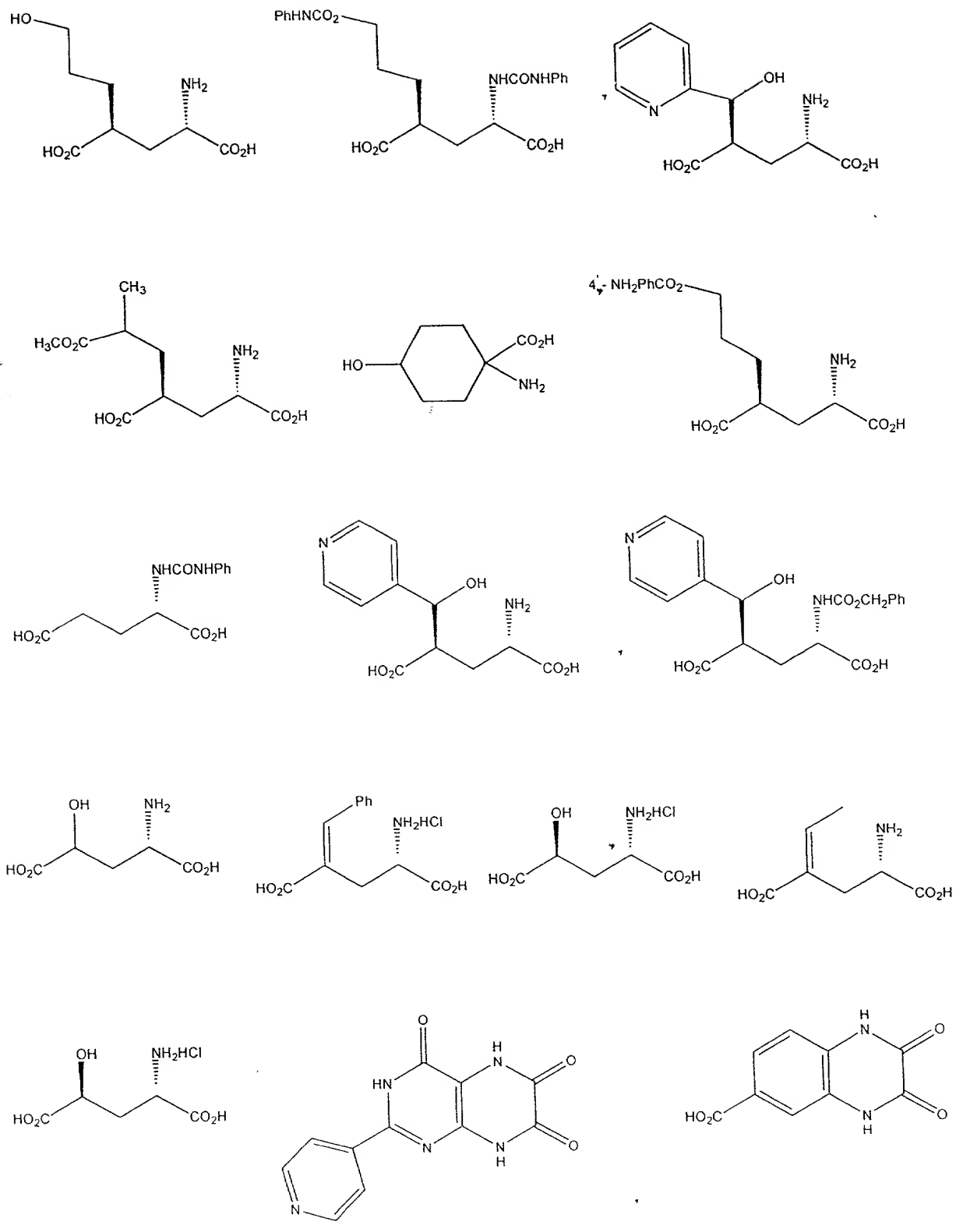

HO
NH2
HO2C
CO2H
PhHNCO2
NHCONHPh
HO2C
CO2H
OH
NH2
N
HO2C
CO2H
CH3
H3CO2C
NH2
HO2C
CO2H
CO2H
HO
NH2
4'- NH2PhCO2
NH2
HO2C
CO2H
NHCONHPh
HO2C
CO2H
N
OH
NH2
HO2C
CO2H
N
OH
NHCO2CH2Ph
HO2C
CO2H
OH
NH2
HO2C
CO2H
Ph
NH2HCl
HO2C
CO2H
OH
NH2HCl
HO2C
CO2H
NH2
HO2C
CO2H
OH
NH2HCl
HO2C
CO2H
O
H
N
HN
O
N
N
H
O
N
H
N
O
HO2C
N
H
O

Figure 6D

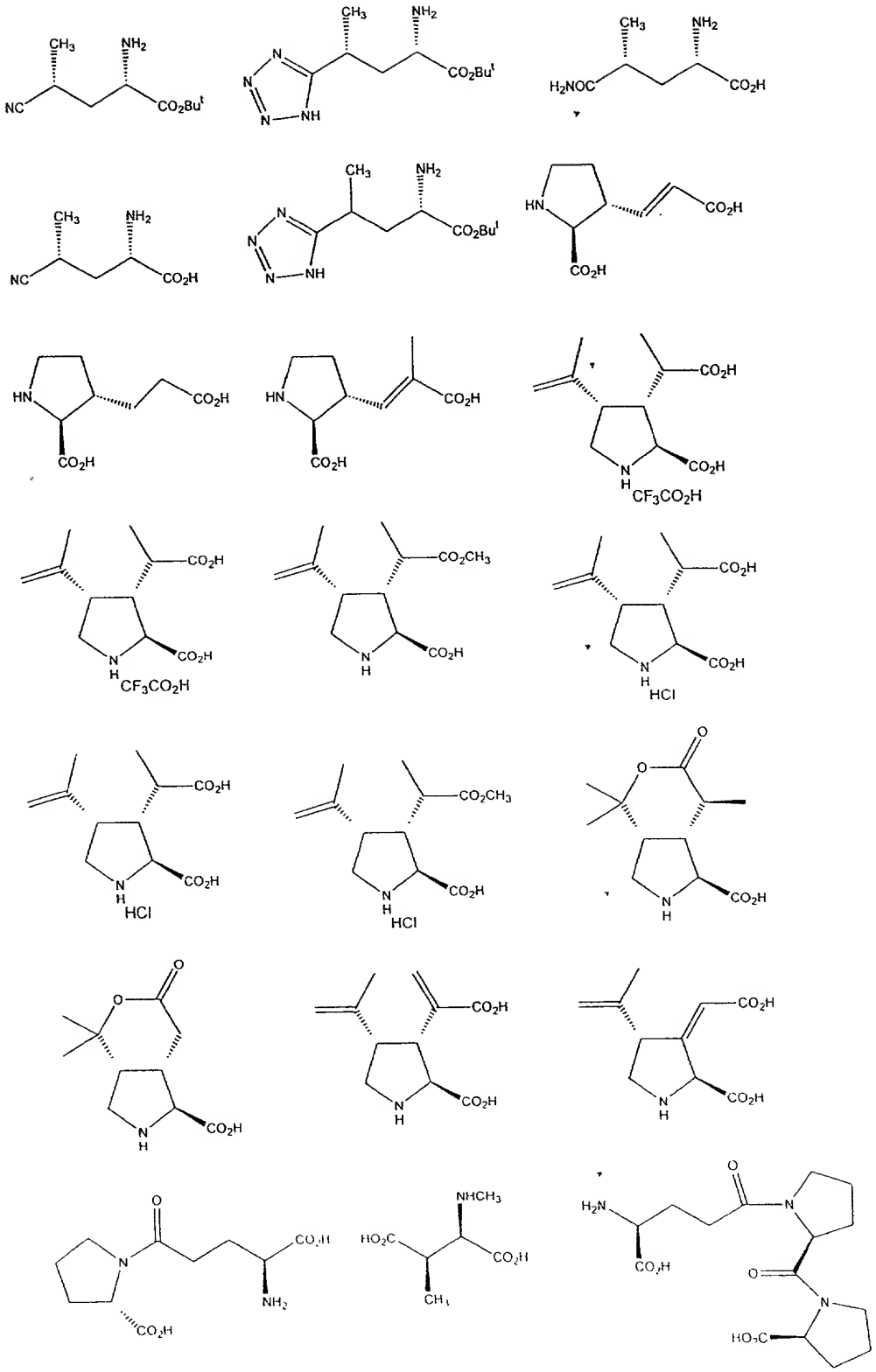


Figure 6E

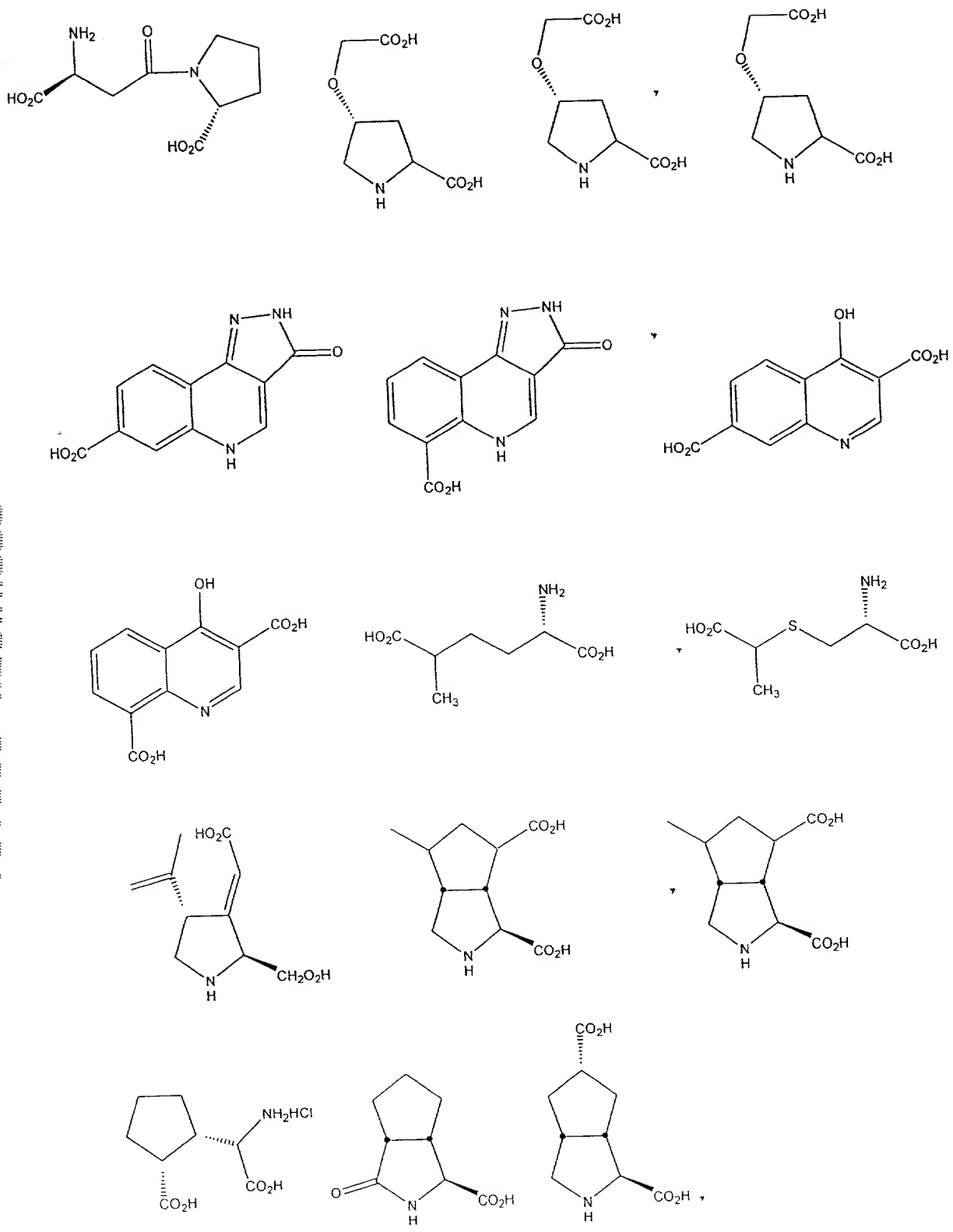


Figure 6F

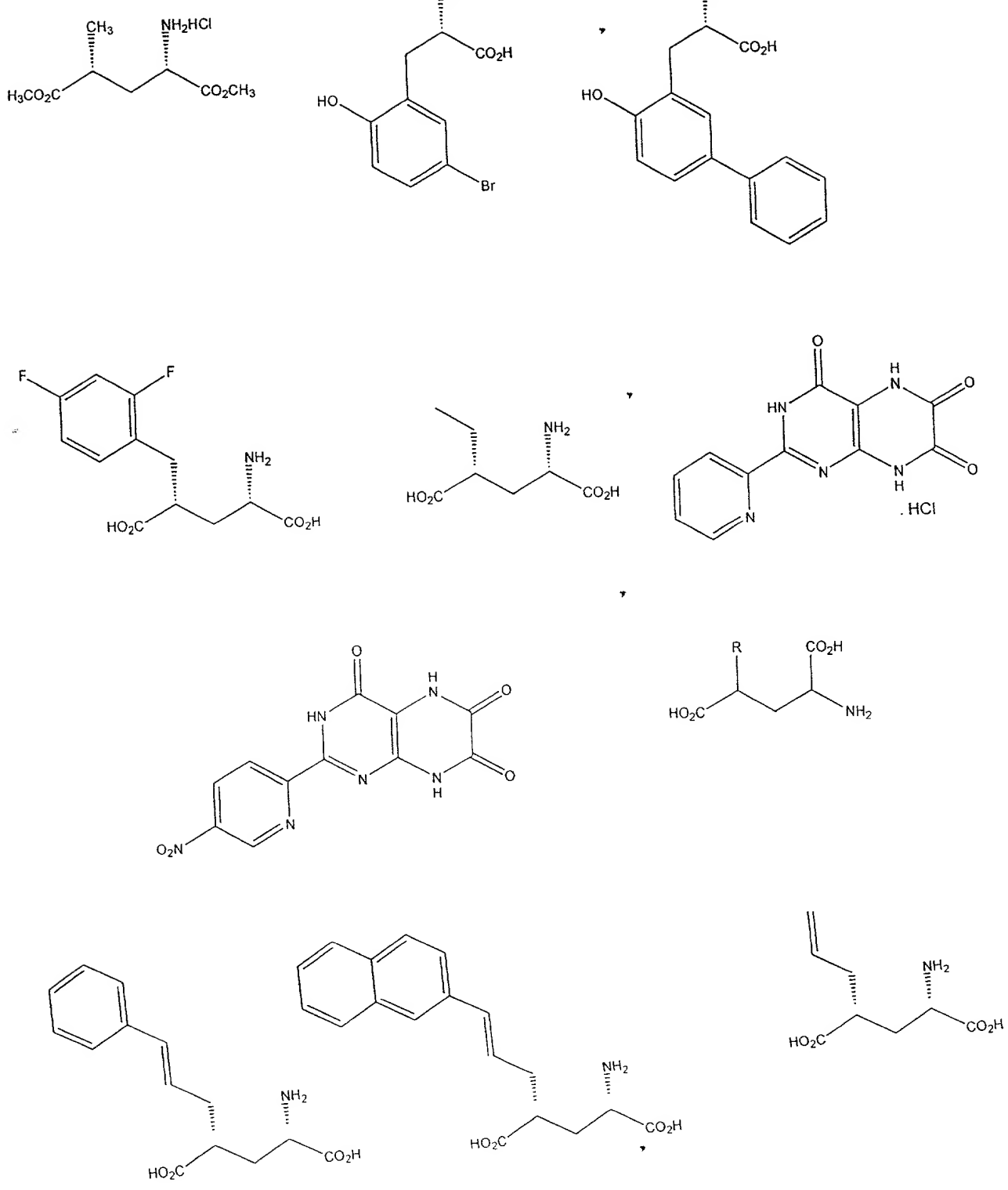


Figure 6G

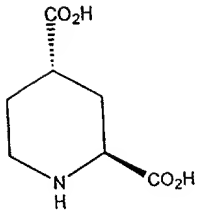
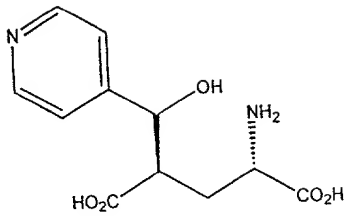
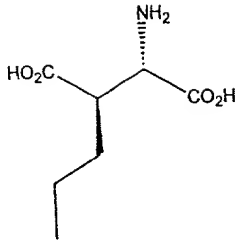
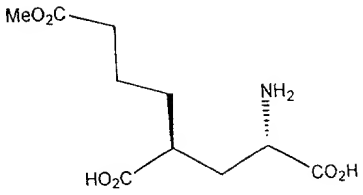
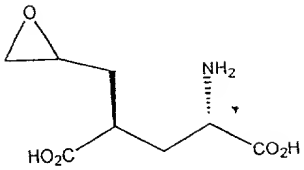
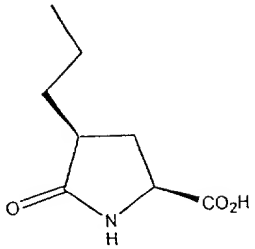
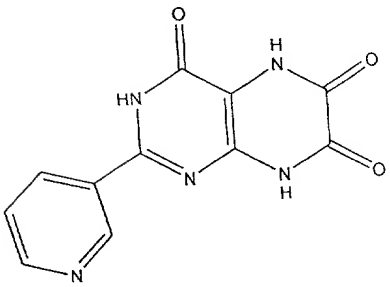
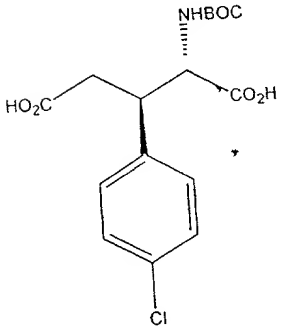
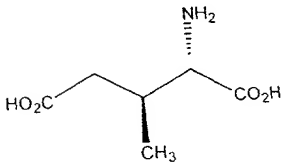
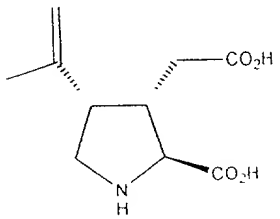
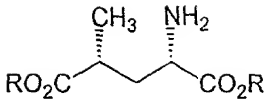
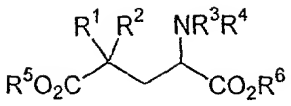
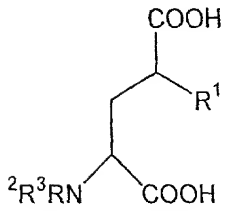











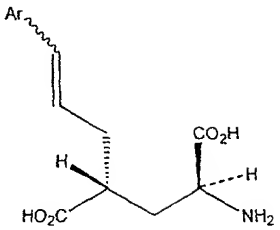
Figure 6H



R = Me, Et, ^{t}Bu





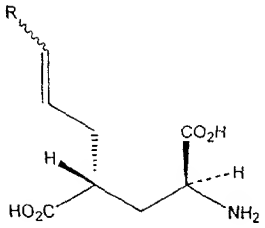


R^1 = CH_3, and halogen

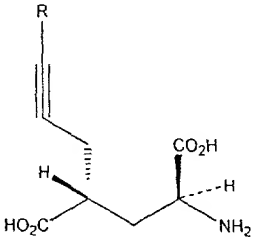
R^2, R^3 are independently

H, C1-C6-alkyl, C3-C4-alkenyl, C3-C5-cycloalkyl, C1-C6-alkyl-CO-, C1-C6-alkyl-OCO-, C1-C6-alkyl-NHCO-, HCO-, or C3-C6-alkynyl

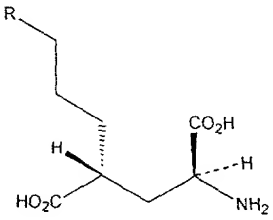
R^2, R^3 taken together can be $-CH_2(CH_2)_pCH_2-$



R = H, Me, Et, Cl



R = H, Me, Et, nPr



R = H, Et, nPr

Figure 6l